

# Work Order ID 66714

Thursday, February 24, 2011 11:39:20 AM



Page 1

Item ID:	D3281-2L02	Accept		Setup	Start	
Revision ID:					Stop	
Item Name:	Floor Protector, Fwd RH (Black)					
Start Date:	2/25/2011	Start Qty:	4.00		Cust Item ID:	
Required Date:	3/11/2011	Req'd Qty:	4.00		Customer:	
Reference:						

Approvals:	Process Plan:		Date:	11-02-24	Tooling:		Date:		Run	Start	
	QC:		Date:		SPC (Y/N):		Date:			Stop	

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
D3281	Rev <del>E</del> F								
DSI 9504	A								

100		HAND FINISHING THERMOFORMING	0.00						
	Thermoform	Memo	0.00			x4			
	Thermoforming Machine	Cut Blanks							11/03/02

105		Dry Material	0.00						
	HandThermo	Memo	0.00			x4			
	Hand Finishing Thermoforming	Dry Sheet as per QSI022 POLYCARBONATE							11/03/02
		Temp:	240°F						
		Time IN:	4:00 pm	11/03/01					
		Time OUT:	7:00 am	11/03/02					

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

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Page 2

Item ID: D3281-2L02

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Setup Start



Revision ID:

Stop



Item Name: Floor Protector, Fwd RH (Black)

Start Date: 2/25/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 3/11/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop



Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
110  Thermoform Thermoforming Machine	THERMOFORMING MACHINE  Memo Thermoform as per Dwg. D3281 and Folio FTA 008 Dwg. Rev. <u>E</u> Folio Rev. <u>D</u>	0.00  0.00				x4			Dh 11/03/02
120  QC Quality Control	QC2- Inspect parts off machine FAI/FAIB  Memo	0.00  0.00				x4			Dh 11/03/02
130  Thermoform Thermoforming Machine	HAND FINISHING THERMOFORMING  Memo Trim to Finished Dimensions	0.00  0.00				x4			Dh 11/03/02

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Revision ID:

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Start Date: 2/25/2011 Start Qty: 4.00

Required Date: 3/11/2011 Req'd Qty: 4.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_  
QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Run Start  
StopSequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

140

QC2- Inspect parts off machine FAI/FAIB

0.00



QC

Memo

0.00

Quality Control

x 4  
11/03/07

150

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

S w o s l o g

24

160

Packaging

0.00



Packaging

Memo

0.00

Packaging

11/3/9 sl (40)

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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Setup Start



Revision ID:

Item Name: Floor Protector, Fwd RH (Black)

Stop



Start Date: 2/25/2011 Start Qty: 4.00



Cust Item ID:

Required Date: 3/11/2011 Req'd Qty: 4.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

170

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

11/3/9 *[Signature]*  
11-03-9  
*[Signature]*

W/O:		WORK ORDER CHANGES					
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# Picklist Print

Thursday, February 24, 2011 11:39:26 AM

Page 1

Work Order ID: 66714

Parent Item: D3281-2L02

Parent Item Name: Floor Protector, Fwd RH (Black)

Start Date: 2/25/2011

Required Date: 3/11/2011

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev: A 04.07.01 New issue KJ/JLM

IPP Rev B 07.08.07 Thermoform in house DL

IPP Rev. C

Add Step 105 Dry Material 10/04/21 DL

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MLEXS.093-F6006-02

Purchased

No

sf

744.3100

17.332



GE PLASTICS LEXAN SHEET

Location

Loc Qty

Loc Code

therm

744.31

744.31

110877

17.332 sq ft

dw  
11/03/07  
✓

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

# DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D044-719 REV. A  
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D044-719 REV. 0

REF TCCA STC: SH04-40

REF FAA STC: SR02051NY

REF EASA STC: EASA.IM.R.S.01075

## PURPOSE:

To add the D044-719-011L08 Clear Cabin Floor Protectors. The -011L08 kit is similar to the existing -011 kit, however the plastic is transparent instead of solid black. The existing D044-719-011 kit will be re-identified as D044-719-011L02.

## CHANGE:

The D044-719-011L08 Cabin Floor Protectors kit consists of four transparent plastic trays that are placed on the cabin floor to protect the carpets from damage. The -011L08 kit should be installed per the -011 kit of Installation Instructions IIN-D044-719 and maintained per Instructions for Continued Airworthiness ICA-D044-719. The parts list and weight & balance for the -011L08 kit is given below.

## PARTS LIST

QTY -011L02	QTY -011L08	Part Number	Description
X		D044-719-011L02	Cabin Floor Protectors (Black)
	X	D044-719-011L08	Cabin Floor Protectors (Clear)
1		D3281-1L02	Floor Protector, Fwd LH, Black
	1	D3281-1L08	Floor Protector, Fwd LH, Clear
1		D3281-2L02	Floor Protector, Fwd RH, Black
	1	D3281-2L08	Floor Protector, Fwd RH, Clear
1		D3281-3L02	Floor Protector, Aft LH, Black
	1	D3281-3L08	Floor Protector, Aft LH, Clear
1		D3281-4L02	Floor Protector, Aft RH, Black
	1	D3281-4L08	Floor Protector, Aft RH, Clear
8	8	D2854-1-100	Looped Velcro Strip
8	8	D2854-3-100	Hooked Velcro Strip

## WEIGHT AND BALANCE

Installation	Weight	Lateral		Longitudinal	
		Arm	Moment	Arm	Moment
D044-719-011L02	3.9 lb	0 in	0 in-lb	50 in	195 in-lb
Cabin Floor Protectors	1.8 kg	0 m	0 m-kg	1.27 m	2.3 m-kg
D044-719-011L08	4.4 lb	0 in	0 in-lb	50 in	220 in-lb
Cabin Floor Protectors	2.0 kg	0 m	0 m-kg	1.27 m	2.5 m-kg

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WORK ORDER  
NO. 64714

pl 11-02-24

CANADA  
DEPARTMENT OF TRANSPORT  
AIRCRAFT CERTIFICATION  
BRANCH  
DAO # 01-O-01

APPROVED

BY: [Signature]  
D. SHEPHERD (DE # 02)

DATE: 10.02.24

CERT. NO.: SH04-40

ISSUE NO.: 1

A	NEW ISSUE	CP	10.02.24
REV.	DESCRIPTION	BY	DATE
DESIGN	<u>qp</u>	<b>DART AEROSPACE LTD</b>	
DRAWN	<u>qp</u>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<u>[Signature]</u>	DRAWING NO.	REV. A
MFG. APPR.	<u>N/A</u>	DSI 9504	SHEET 1 OF 1
APPROVED	<u>[Signature]</u>	TITLE	SCALE
DE APPR.	<u>[Signature]</u>	FLOOR PROTECTOR KIT, CLEAR	NTS
DATE	10.02.24	COPYRIGHT © 2010 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

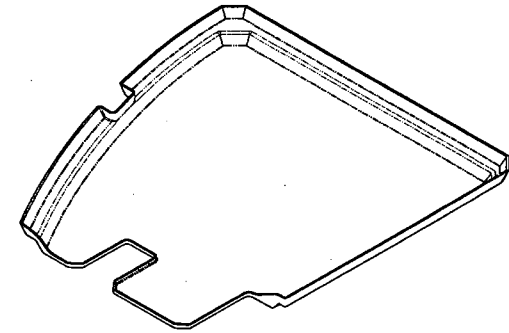
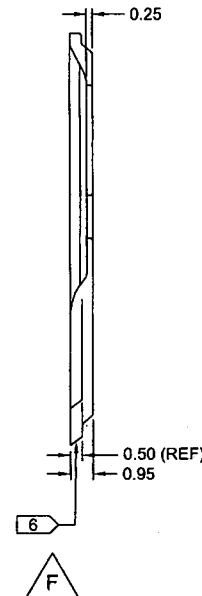
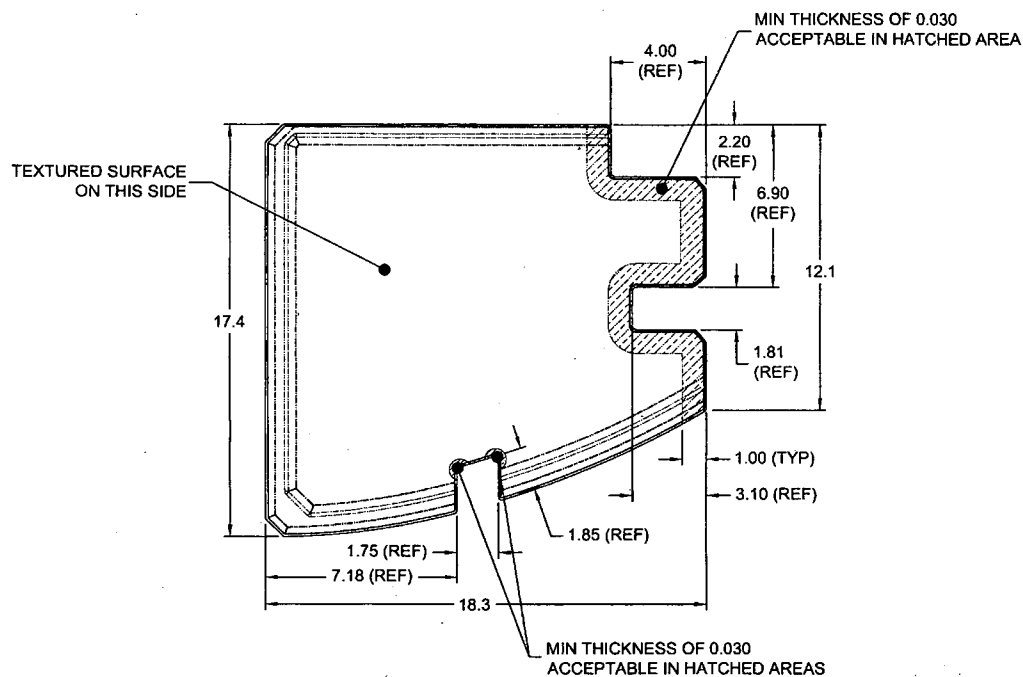
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PL 11-02-21

# **D3281-2 FLOOR PROTECTOR**

## **NOTES:**

- 1) MATERIAL: -2L02 = LEXAN F6006, BLACK No. 701, 0.093" THICK (MLEXS.093-F6006-02)  
-2L08 = LEXAN 90318 (PROTECT-A-GLAZE), 0.118 THICK, 112-CLEAR (MLEXS.118-90318-08)
- 2) FINISH: NONE
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.010 MAX
- 6) IDENTIFICATION: IDENT WITH DART P/N "D3281-2Lxx" AND B/N PER QSI 044 6.4 ALONG PERIMETER OF PART AS SHOWN.
- 7) WEIGHT: D3281-2L02 = 0.95 lb D3281-2L08 = 1.13 lb
- 8) THERMOFORM WITH MOLD D3281-2T1 PER DART QSI 022; TRIM AS SHOWN  
MINIMUM THICKNESS AFTER FORMING: 0.070" EXCEPT WHERE INDICATED

RELEASED  
R 2010-11-25

DESIGN	<i>JP</i>	<b>DART AEROSPACE LTD</b>	
DRAWN	<i>JP</i>	HAWKESBURY, ONTARIO, CANADA	
CHECKED	<i>JP</i>	DRAWING NO.	REV. F
MFG. APPR.	<i>JP</i>	D3281	SHEET 2 OF 4
APPROVED	<i>JP</i>	TITLE	SCALE
DE APPR.	<i>JP</i>	FLOOR PROTECTOR	NTS
DATE	10.09.27	COPYRIGHT © 2004 BY DART AEROSPACE LTD	
THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.			

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<b>DART AEROSPACE LTD</b>		<b>Work Order:</b> 66714
<b>Description:</b> Floor Protector, Fwd RH		<b>Part Number:</b> D3281-2
<b>Inspection Dwg:</b> D3281	<b>Rev:</b> EF	<b>Page 1 of 1</b>

## FIRST ARTICLE INSPECTION CHECKLIST

### THERMOFORMING SECTION

Description	Accept	Reject	Method of Inspection	Comments
Inside Radii less than 0.1875" Go/No Go	✓			
Shape Definition	✓			
Texture Retention	✓			
Material imperfections such as bumps, cracks, voids, scratching	✓			

<b>Measured by:</b> Dh	<b>Date:</b> 11/03/02
------------------------	-----------------------

### TRIMMING SECTION

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
18.3	+/-0.100	18.3"	✓		T-m D601	
17.4	+/-0.100	17.4"	✓		"	
12.1	+/-0.100	12.0"	✓		"	
0.95	+/-0.030	0.98"	✓		vern D602	
0.25	+/-0.030	0.25"	✓		"	
0.030	Min	0.053"	✓		"	
0.070	Min	0.073"	✓		"	

<b>Measured by:</b> Dh	<b>Date:</b> 11/03/07
<b>Audited by:</b> JB	<b>Date:</b> 11/03/08
<b>Preliminary Approval:</b> N/A	<b>Date:</b> N/A

Rev	Date	Change	Revised by	Approved
A	08.02.28	New Issue	KJ/DL	
B	08.04.16	Dimensions updated per Dwg Rev D	KJ/DL	
C	08.07.23	Dwg Rev updated	KJ/DL	
D	08.09.12	Tolerance revised for 0.070 dimension	KJ/DL	
E	10.09.01	Dwg Rev updated	KJ	Dh